

# GM 13557

5 DDH LOGS AND REPORT

Documents complémentaires

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Énergie et Ressources  
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REPORT ON THE DIAMOND DRILLING  
ON THE PROPERTY OF  
PEERLESS CANADIAN EXPLORATIONS LIMITED  
SITUATED IN  
POIRIER TOWNSHIP - COUNTY OF ABITIBI-EAST  
PROVINCE OF QUEBEC

by

MICHAEL ZUROWSKI, B.Sc., P.Eng.

Ministère des Richesses Naturelles, Québec  
SERVICE DES GITES MINÉRAUX  
No GM-13557 6/5

PUBLIC

Toronto, Ontario

December 20, 1963

Report on the Diamond Drilling  
on the Property of  
Peerless Canadian Explorations Limited  
situated in  
Poirier Township - County Abitibi East  
Province of Quebec

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### PROPERTY

The property is comprised of five contiguous mining claims, totalling 350 acres. It consists of claims 1 to 3 of Miner's Certificate 195248 comprising the south half of lots 7 to 9 inclusive and claims 1 and 2 of Miner's Certificate 195249 comprising lots ① and 11, all situated in Range 9, Township of Poirier, County of Abitibi East, Province of Quebec.

### LOCATION, ACCESS, ETC.

The claim group adjoins to the south of the property of Rio Algom. It is two miles south of the property of Joutel Copper Mines Limited and about two miles southwest of the property of Northern Explorations Limited.

Poirier Township is situated about 55 miles north of the town of Amos, Quebec. It is accessible by air from Amos and by a road connecting Amos and the townsite of Mattagami Lake. This road passes about 12 miles east of the subject property.

The surface of the property is flat and it is covered by varying thicknesses of glacial debris. Rock formations do not outcrop.

### HISTORY

Exploratory work performed on the property prior to the commencement of the diamond drilling program consisted of a magnetic survey at a picket line interval of 400 feet and a horizontal loop electromagnetic survey at a picket line interval of 200 feet.

Both magnetic and electromagnetic anomalies were outlined. The magnetic anomalies are of low intensity and the electromagnetic anomalies are generally of very poor conductivity.

### GEOLOGY

Outcrops are not present consequently the bedrock geology of the property can only be inferred from the results of regional geological mapping. These are compiled on a plan to the scale of 1 inch equals 2 miles and entitled "The Gale River Sheet" (Map 554A). This plan shows the subject

property to be underlain by rocks of Precambrian age. These consist of dark green andesitic rocks, light grey to greenish grey rhyolites and associated fragmentals. Intercalated with these types are sills and dikes of diorite, as well as smaller bodies of gabbro, serpentinites and granite.

The attitude of these rocks varies considerably, primarily as a result of intense folding and deformation to which they have been subjected. The paucity of outcrop, together with intense alteration, makes interpretation of structural conditions difficult, and, of course, compounds the problem in the search for mineral deposits.

The known copper deposits in the area of Joutel Copper and Rio Algom occur in a rhyolite formation. The most recent discovery of Northern Explorations Limited consists both of zinc and copper and appears to be located at an andesite-rhyolite contact zone, of undetermined attitude and extent.

### RESULTS OF THE DIAMOND DRILLING

Five holes, totalling 2010 feet, were drilled.

Hole 63-1 was drilled to investigate the central part of a magnetic anomaly striking N 40° E in the south half of the property. The anomaly was caused by magnetic mineralization in an Epidiorite. Some disseminated pyrite mineralization was obtained at 362.0 to 375.0 feet.

Hole 63-2 was drilled to investigate an E-M anomaly in the south part of claim 195249-1. No mineralization was encountered. It can only be inferred that the E-M anomaly must be caused by conductive overburden.

Holes 63-3 and 63-4 were drilled to investigate E-M anomalies on claim 195248-2. No mineralization was encountered and it can only be inferred that the E-M anomalies must be caused by conductive overburden. Some narrow sections of disseminated pyrite were obtained in hole 63-3.

Hole 63-5 was drilled to investigate a weak E-M anomaly and a magnetic anomaly in the north part of claim 195249-2. Only disseminated magnetite was encountered in an andesite formation.

### CONCLUSIONS

No economic mineralization was obtained in any of the drill holes. Some disseminated pyrite mineralization was obtained in holes 63-1 and 63-3.

The magnetic anomalies tested were found to be caused by magnetite mineralization in basic rocks.

The weak electromagnetic anomalies tested are, without doubt, due to conductive overburden.

The main rocks intersected in the drilling were rhyolites, dacite, andesite, andesite porphyry and dioritic intrusives. Although these rocks are considered favorable for the emplacement of mineral deposits, those portions tested were quite massive, unaltered and not structurally deformed to localize mineral deposition.

There are several untested magnetic anomalies present on the property. With due regard to the results obtained in the drilling, it would appear that these are probably caused by magnetite mineralization in basic rocks.

Sufficient assessment work has been performed to keep the claims in good standing for about nine years, provided the annual taxes are paid to the Department of Natural Resources of the Province of Quebec.

#### RECOMMENDATIONS

No further expenditures on the property are recommended at this time.

It is advised that the claims be kept in good standing until such time as the results of the exploratory programs on all the adjoining properties can be evaluated with respect to that of the subject property. This could well provide additional and valuable data upon which to formulate plans for further investigation of the property.

Respectfully submitted,

SIMARD, KNIGHT & ASSOCIATES

  
Michael Zurewski, B.Sc., P.Eng.

Toronto, Ontario  
December 20, 1963

SUMMARY OF ASSESSMENT WORK

<u>Miner's Certificate</u>	<u>Claim No.</u>	<u>Diamond Drilling 8 Hr. Man Days Requested</u>
195248	1	287.10
"	2	287.10
"	3	287.10
195249	1	574.35
"	2	574.35
<b>Total</b>		<b>2010.00</b>

DETAILS OF ASSESSMENT WORK

<u>Diamond Drill Hole No.</u>	<u>Location</u>	<u>Length (Ft.)</u>	<u>Dip</u>	<u>Bearing Ast.</u>
63-1	195249-1 ✓	399.0 ✓	50	N 35 W
63-2	" ✓	400.0 ✓	45	S 35 E
63-3	195248-1-2 ✓	400.0 ✓	45	N 87 W
63-4	195248-2 ✓	400.0 ✓	45	N 35 W
63-5	195249-2 ✓	411.0 ✓	45	N 35 W
		2010.0		

Assessment Man Days on per 100 acre lot basis -  $\frac{2010.0}{3.5} = 574.35$

Respectfully submitted

SIMARD, KNIGHT & ASSOCIATES

*Michael Zurowski*  
Michael Zurowski, B.Sc., P. Eng.

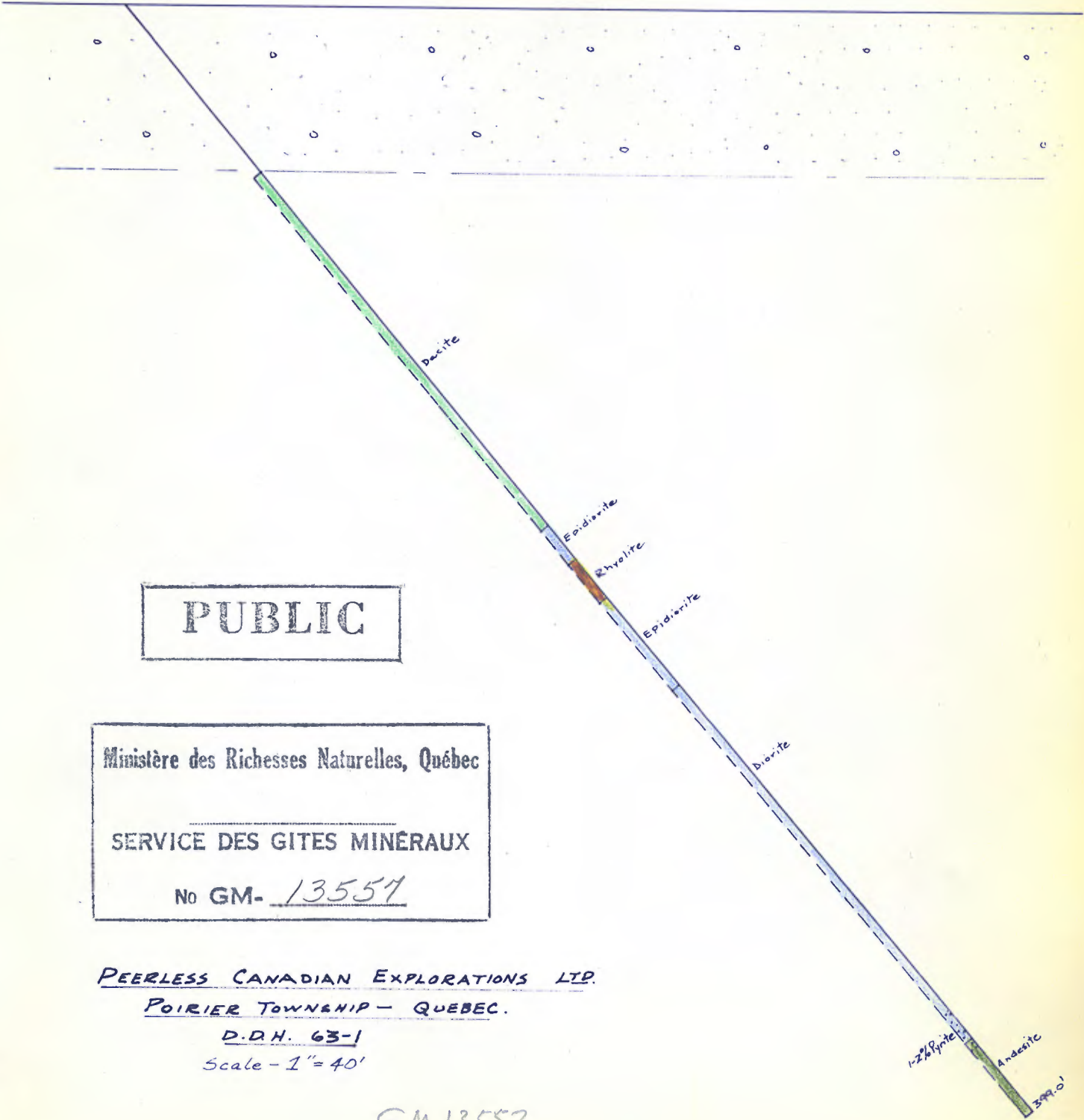
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December 20, 1963

Enclosures - D.D. Logs  
D.D. Sections  
Surface Plan



N35°W

63-1



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No GM- 13557

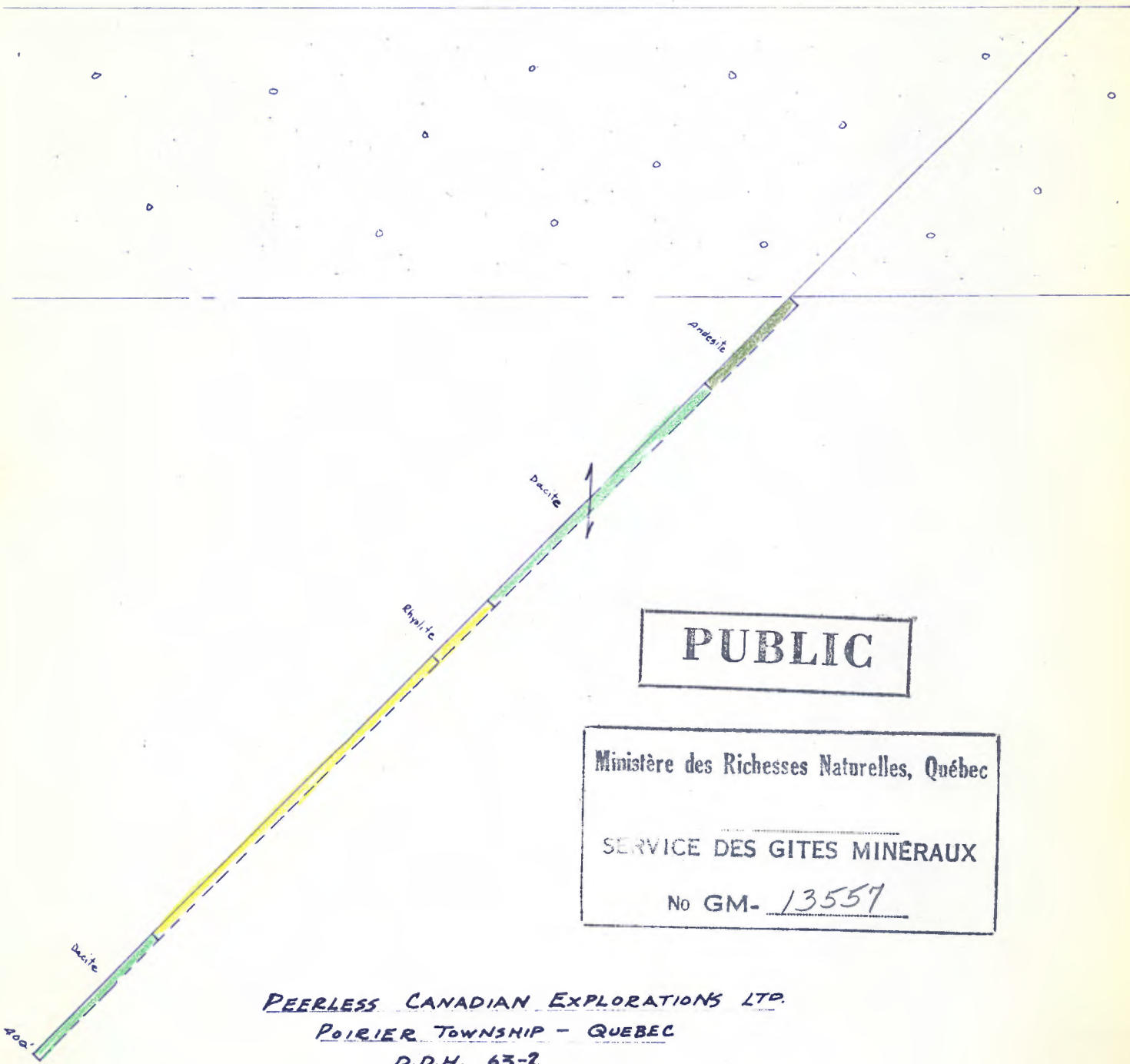
PEERLESS CANADIAN EXPLORATIONS LTD.  
POIRIER TOWNSHIP - QUEBEC.  
D.D.H. 63-1  
Scale - 1" = 40'

GM 13557

88 5 pages

N35°W

63-2



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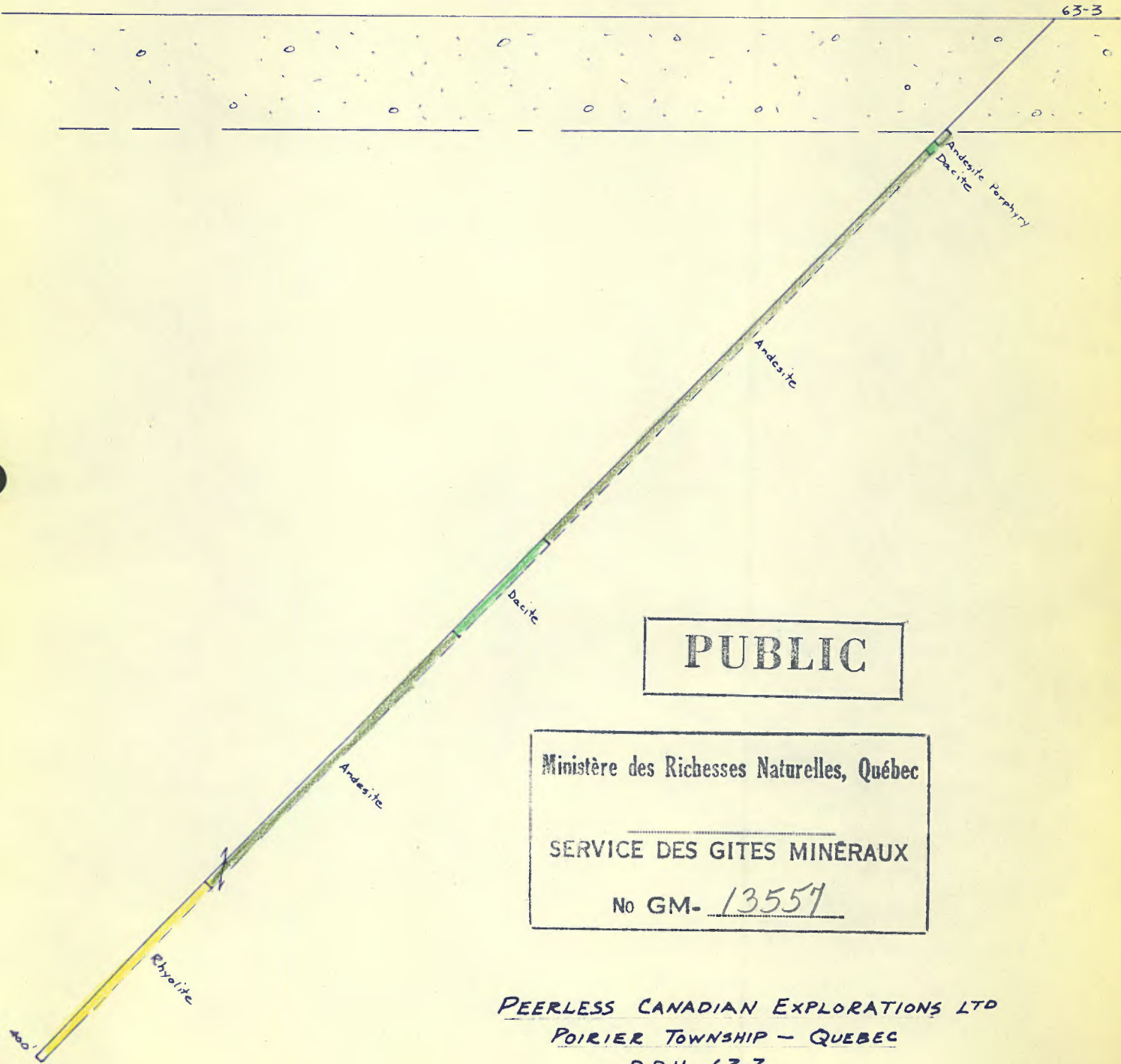
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D.D.H. 63-2  
Scale - 1" = 40'



← N87°W

63-3



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D.D.H. 63-3  
Scale - 1" = 40'

N 55° W

63-4

Diorite

Andesite Porphyry

Diorite

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D.D.H. 63-4

Scale - 1" = 40'

4000'

N35°W

63-5

Diorite

Andesite

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No GM- 13551

PEERLESS CANADIAN EXPLORATIONS LTD.

POIRIER TOWNSHIP - QUEBEC

D.D.H. 63-5

Scale - 1"=40'

411.0

FEARLESS CANADIAN  
EXPLORATIONS LTD.  
**PROPERTY**  
POIRIER TWP., QUEBEC

DIAMOND DRILL LOG

DIP TEST		COMMENCED 5/11/63	ELEVATION	HOLE No. 63-1
FOOTAGE	Angle	FINISHED 8/11/63	HOR. COM.	SHEET No. 1
	Reading	LOCATION Claim 195249-1	VERT. COM.	LOGGED BY H. Surovski
Collar	Corrected	LATITUDE Line 32 W	AZIMUTH N39W Int.	TOTAL RECOVERY 100%
200		DEPARTURE 240 S. of S.E.	LENGTH 399.0 Ft.	

Footage From To	DESCRIPTION	Sample No.	FOOTAGE			ASSAYS				
			From	To	Length				Averages	
0.0 66.0	Casing - 33.0 clay and bottom 33.0 feet sand and gravel									
66.0 186.2	Diorite - dark green in color, hard, fine grained siliceous lava, slight porphyritic texture from 66.0 to 83.5. At 83.5 to 186.2 abundant phenocrysts of feldspar and up to 3/8 inch in diameter. Rock appears to be typical porphyrite. At 93.0 - 96.3 and 100.0 to 102.0 flow lines evident.									
186.2 198.5	Epidiorite - chilled upper contact. Progressing down hole getting coarse grained, minor magnetite. Considerable epidote present.									
198.5 212.0	Nephelite dike - dark green, hard siliceous									
212.0 244.0	Epidiorite - same as from 186.2 - 198.5									
244.0 372.5	Diorite - finer grained, still considerable epidote present - 362.0-375.0 1 - 2 percent pyrite. Massive.									
372.5 399.0	Andesite - upper two feet very fine grained, siliceous. Texture getting slightly coarser down hole.									
	399.0 End of Hole									

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Ministère des Richesses Naturelles, Québec  
24 FEV 1964  
SERVICE DES GITES MINÉRAUX  
No GM- 13557

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FRANCOIS WILKINSON  
EXPLORATIONS LTD.

PROPERTY  
BOURNE TWP., QUEBEC

DIAMOND DRILL LOG

DIP TEST		COMMENCED <del>Nov. 27, 1963</del>	ELEVATION	HOLE No. 63-3
FOOTAGE	Angle		FINISHED Dec. 3, 1963	SHEET No. 1
	Reading	Corrected	LOCATION Claim 195219-2	LOGGED BY C.S. Jessop
Collar 200		45° -45°	LATITUDE 46 12 N	TOTAL RECOVERY
			DEPARTURE 6 + 45 W	
			LENGTH 411.0	

Footage		DESCRIPTION	Sample No.	FOOTAGE			ASSAYS			Averages
From	To			From	To	Length				
0.0	53.0	Casing								
53.0	58.3	Dacite - light green to pinkish green. Very siliceous, fine grained, hard. A few qtz. carbonate hairlines, seams & grains								
58.3	411.0	Andesite - green, siliceous, med. to coarse grained, narrow dacite bands, fine grained, more siliceous & lighter colored, carbonate hairlines, stringers & grains at intervals throughout. Dacite bands 123.1 - 130.1, 191.2 - 204.5, 235.3-239.0. Qtz. carb. blotches and bands in light green soft alteration 367.0-374.0 and 405.6-407.2								
		411.0 END OF HOLE								